

SPACE TEST PROGRAM FLIGHT REQUEST		PREPARATION DATE (YYYYMMDD)	CLASSIFIED BY	DECLASSIFY ON
		<input type="checkbox"/> X IF REVISION		
PART I - REQUEST FOR SPACEFLIGHT				
1. EXPERIMENT TITLE		2. SHORT TITLE		
3. EXPERIMENT NUMBER		4. PROJECT NUMBER	5. TASK NUMBER	6. PROGRAM ELEMENT NUMBER
7. PROJECT OFFICE		8. MANAGEMENT OFFICE		9. SPONSOR
10. PRINCIPAL INVESTIGATOR				
a. NAME (<i>Last, First, Middle Initial</i>)		b. ACTIVITY	c. POSITION	
d. TELEPHONE NUMBER(S) (<i>Include Area Code</i>) COMMERCIAL DSN		e. SIGNATURE	f. DATE (YYYYMMDD)	
11. STAFF APPROVAL				
a. NAME (<i>Last, First, Middle Initial</i>)		b. ACTIVITY	c. POSITION	
d. TELEPHONE NUMBER(S) (<i>Include Area Code</i>) COMMERCIAL DSN		e. SIGNATURE	f. DATE (YYYYMMDD)	
12. SPONSOR				
a. NAME (<i>Last, First, Middle Initial</i>)		b. ACTIVITY	c. POSITION	
d. TELEPHONE NUMBER(S) (<i>Include Area Code</i>) COMMERCIAL DSN		e. SIGNATURE	f. DATE (YYYYMMDD)	
13. PROJECT MANAGEMENT OFFICE				
a. NAME (<i>Last, First, Middle Initial</i>)		b. ACTIVITY	c. POSITION	
d. TELEPHONE NUMBER(S) (<i>Include Area Code</i>) COMMERCIAL DSN		e. SIGNATURE	f. DATE (YYYYMMDD)	
14. INTERMEDIATE ACTIVITY				
a. NAME (<i>Last, First, Middle Initial</i>)		b. ACTIVITY	c. POSITION	
d. TELEPHONE NUMBER(S) (<i>Include Area Code</i>) COMMERCIAL DSN		e. SIGNATURE	f. DATE (YYYYMMDD)	
15. DEPARTMENTAL APPROVAL				
a. NAME (<i>Last, First, Middle Initial</i>)		b. ACTIVITY	c. POSITION	
d. TELEPHONE NUMBER(S) (<i>Include Area Code</i>) COMMERCIAL DSN		e. SIGNATURE	f. DATE (YYYYMMDD)	

PREPARATION DATE (YYYYMMDD)	EXPERIMENT TITLE	EXPERIMENT NUMBER
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16. OBJECTIVE

17. RELEVANCE TO SPECIFIC DOD REQUIREMENTS

18. BACKGROUND

19. DESCRIPTION

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20. PICTORIAL

21. ALTERNATIVES TO SPACEFLIGHT

22. FOLLOW-ON PLANS

PREPARATION DATE (YYYYMMDD)		EXPERIMENT TITLE			EXPERIMENT NUMBER	
PART IIA - TECHNICAL DETAILS: SPACE SHUTTLE SORTIES						
23. ORBITER SORTIE MODE <input type="checkbox"/> NOT APPLICABLE (<i>Skip to Page 7</i>) <input type="checkbox"/> PREFERRED		24. STANDARD SUPPORT HARDWARE DESIRED/FLIGHT OPTIONS <input type="checkbox"/> ACCEPTABLE <input type="checkbox"/> REQUIRED MID-DECK LOCKER OTHER (<i>Specify</i>)				
		25. WEIGHT (kg) a. TOTAL PAYLOAD b. EXPENDABLES			26. PHYSICAL DIMENSIONS (cm) 27. TOTAL VOLUME (cc)	
28. EXTENSIONS BEYOND BAY ENVELOPE? <input type="checkbox"/> YES <input type="checkbox"/> NO		29. POWER (W) a. NOMINAL b. MAX. POWER c. STAND-BY			30. ENERGY (WH) 31. EXP. POWER (W)	
		32. TYPICAL DUTY CYCLE (% of operation) a. NOMINAL b. MAX. POWER c. STAND-BY			33. MAXIMUM DUTY CYCLE (% of operation) a. NOMINAL b. MAX. POWER c. STAND-BY	
35. FLIGHT DATE (<i>Quarter, Calendar Year</i>)						
a. PREFERRED + -		b. LATEST + -		c. EARLIEST + -		d. REFLIGHT
e. RATIONALE						
36. ORBITAL PARAMETERS						
a. APOGEE (km) + -		b. PERIGEE (km) + -			c. INCLINATION (Degrees) + -	
d. ALTERNATE ORBITS (<i>Acceptable, if primary orbit is unavailable</i>)						
e. REMARKS						
37. ORBITER ORIENTATION REQUIREMENTS (<i>Comment where applicable</i>)						
a. X-AXIS		b. Y-AXIS			c. Z-AXIS	
d. OTHER REQUIREMENTS						
e. REMARKS						
38. STABILIZATION REQUIREMENTS (<i>Pointing Accuracy (degree/pointing knowledge (arc-sec.))</i>)						
a. LINE-OF-SIGHT / /		b. ROLL ABOUT LINE-OF-SIGHT / /			c. JITTER OR DRIFT CONTROL / /	
d. EXPERIMENT PROVIDED POINTER						
e. REMARKS						

PREPARATION DATE (YYYYMMDD)	EXPERIMENT TITLE	EXPERIMENT NUMBER
39. MAJOR MOVEMENTS		
a. TRACK		
b. SLEW		
c. OTHER MOTIONS		
d. REMARKS		
40. ASTRONAUT PARTICIPATION		
a. TYPE <input type="checkbox"/> MISSION SPECIALIST <input type="checkbox"/> PAYLOAD SPECIALIST	b. FUNCTION <input type="checkbox"/> MONITORING <input type="checkbox"/> COMMAND AND CONTROL	<input type="checkbox"/> ANALYSIS <input type="checkbox"/> OTHER (Specify)
c. ASTRONAUT DUTY CYCLE		
d. DESCRIPTION OF ASTRONAUT DUTIES		
41. GROUND SUPPORT REQUIREMENTS DURING FLIGHT		
42. EPHEMERIS REQUIREMENTS		
43. TELEMETRY AND DATA HANDLING		
a. DATA STORAGE (Bits per orbit)	b. DATA OUTPUT RATE TO SPACECRAFT (bps) NOMINAL MAXIMUM	c. REAL-TIME DATA REQUIREMENTS (bps) <input type="checkbox"/> REAL-TIME DATA NOT REQUIRED <input type="checkbox"/> REAL-TIME DATA REQUIRED AT RATE:
d. SPECIAL REQUIREMENTS		
e. REMARKS		

PREPARATION DATE (YYYYMMDD)	EXPERIMENT TITLE				EXPERIMENT NUMBER	
44. ON-BOARD PROCESSING (<i>Display and Control</i>)						
a. NUMBER OF STANDARD DISPLAY FORMATS	b. TYPES OF FORMATS					
	<input type="checkbox"/>	ALPHA-NUMERIC STATUS	<input type="checkbox"/>	KEYBOARD		
	HAND CONTROLLER	<input type="checkbox"/>	OTHER (<i>Specify</i>)			
45. COMMANDS						
a. NUMBER OF POWER COMMANDS		b. NUMBER OF SERIAL/DIGITAL COMMANDS				
c. NUMBER OF DISCRETE COMMANDS		d. MAGNITUDE COMMAND WORD SIZE (<i>Bits</i>)			e. COMMAND STORAGE	
46. EXPERIMENT COMPLEMENT/PACKAGE DATA						
ITEM a.	DIMENSIONS STOWED (cm) b.	DIMENSIONS DEPLOYED (cm) c.		WEIGHT (kg) d.	EJECTED? e.	RECOVERY? f.
g. OTHER PERTINENT DATA						
h. DESIGN DRAWING SPECIFICATION STATUS						
47. SPACE SHUTTLE SAFETY						
a. POSSIBLE HAZARDS						
RADIOACTIVE DEVICES	<input type="checkbox"/>	NO	<input type="checkbox"/>	YES (<i>If yes</i>): MATERIAL(S) _____	STRENGTH _____	
HAZARDOUS MATERIALS	<input type="checkbox"/>	NO	<input type="checkbox"/>	YES (<i>If yes</i>): MATERIAL(S) _____		
OTHER	<input type="checkbox"/>	NO	<input type="checkbox"/>	YES (<i>If yes, specify</i>) _____		
b. DESCRIBE SAFETY COORDINATION ACTIVITIES WITH NASA TO DATE (<i>If any</i>)						
c. OTHER REQUIREMENTS						

PREPARATION DATE (YYYYMMDD)	EXPERIMENT TITLE				EXPERIMENT NUMBER									
PART IIB - TECHNICAL DETAILS: FREE-FLYER MODE														
48. FREE-FLYER MODE <input type="checkbox"/> NOT APPLICABLE (Skip to Page 10) <input type="checkbox"/> PREFERRED		49. EXPERIMENT CLASS <input type="checkbox"/> ACCEPTABLE REQUIRED <input type="checkbox"/> EXPERIMENT ONLY <input type="checkbox"/> COMPLETE SPACECRAFT												
		<input type="checkbox"/> PIGGYBACK PAYLOAD PREFERRED (Host)												
50. WEIGHT (kg) a. TOTAL PAYLOAD b. EXPENDABLES c. SPACECRAFT (If provided)		51. PHYSICAL DIMENSIONS (cm)												
52. TOTAL VOLUME (cc) a. NOMINAL b. MAX. POWER c. STAND-BY														
53. POWER (W) a. NOMINAL b. MAX. POWER c. STAND-BY		54. ENERGY (WH)		55. EXP. POWER (W)										
56. TYPICAL DUTY CYCLE (%) of operation) a. NOMINAL b. MAX. POWER c. STAND-BY			57. MAXIMUM DUTY CYCLE (%) of operation) a. NOMINAL b. MAX. POWER c. STAND-BY		58. MISSION DURATION (Days) a. NOMINAL b. MINIMUM c. MAXIMUM									
59. FLIGHT DATE (Quarter, Calendar Year) a. PREFERRED b. LATEST c. EARLIEST d. RATIONALE														
60. ORBITAL PARAMETERS a. APOGEE (km) + - b. PERIGEE (km) + - c. INCLINATION (Degrees) + - d. RATIONALE														
e. ALTERNATE ORBITS (Acceptable, if primary orbit is unavailable)														
f. AXIS/ORBIT PLANE RESTRICTIONS														
61. STABILIZATION REQUIREMENTS (Pointing accuracy (degrees)/pointing knowledge (arc-sec.)) a. STABILIZATION TYPE <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td>SPIN</td> <td>SPIN RATE</td> <td>_____</td> </tr> <tr> <td>ANY</td> <td>OTHER (Specify)</td> <td></td> </tr> <tr> <td colspan="3">3-AXLE</td> </tr> </table> b. ROLL / c. PITCH / d. YAW e. JITTER OR DRIFT						SPIN	SPIN RATE	_____	ANY	OTHER (Specify)		3-AXLE		
SPIN	SPIN RATE	_____												
ANY	OTHER (Specify)													
3-AXLE														
f. OTHER REQUIREMENTS														
g. REMARKS														

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62. MAJOR MOVEMENTS (<i>Explain and provide rates</i>)				
a. TRACK				
b. SLEW				
c. OTHER MOTIONS				
d. REMARKS				
63. GROUND SUPPORT REQUIREMENTS DURING FLIGHT				
64. EPHEMERIS REQUIREMENTS				
65. TELEMETRY AND DATA HANDLING				
a. DATA STORAGE (<i>Bits per orbit</i>)	b. DATA OUTPUT RATE TO SPACECRAFT (<i>bpa</i>)	c. REAL-TIME DATA REQUIREMENTS (<i>bpa</i>)		
	NOMINAL	MAXIMUM	<input type="checkbox"/>	REAL-TIME DATA NOT REQUIRED
			<input checked="" type="checkbox"/>	REAL-TIME DATA REQUIRED AT RATE:
d. SPECIAL REQUIREMENTS				
e. REMARKS				
66. COMMANDS				
a. NUMBER OF POWER COMMANDS	b. NUMBER OF SERIAL/DIGITAL COMMANDS			
c. NUMBER OF DISCRETE COMMANDS	d. MAGNITUDE COMMAND WORD SIZE (<i>Bits</i>)		e. COMMAND STORAGE	
f. REAL-TIME COMMAND PROGRAMMING REQUIREMENTS (<i>Describe</i>)				
67. POSSIBLE HAZARDS				
RADIOACTIVE DEVICES	<input type="checkbox"/>	NO	<input type="checkbox"/>	YES (<i>If yes</i>): MATERIAL(S) _____ STRENGTH _____
HAZARDOUS MATERIALS	<input type="checkbox"/>	NO	<input type="checkbox"/>	YES (<i>If yes</i>): MATERIAL(S) _____
OTHER	<input type="checkbox"/>	NO	<input type="checkbox"/>	YES (<i>If yes, specify</i>) _____

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68. EXPERIMENT COMPLEMENT/PACKAGE DATA

ITEM a.	DIMENSIONS STOWED (cm) b.	DIMENSIONS DEPLOYED (cm) c.	WEIGHT (kg) d.

e. OTHER PERTINENT DATA

f. EXPERIMENT EQUIPMENT MOUNTING RESTRICTIONS

g. DESIGN DRAWING SPECIFICATION STATUS

69. OTHER REQUIREMENTS

PREPARATION DATE (YYYYMMDD)	EXPERIMENT TITLE			EXPERIMENT NUMBER
PART III - PROGRAM/SECURITY INFORMATION				
70. FUNDING STATUS <input type="checkbox"/> TOTAL <input type="checkbox"/> PARTIAL <input type="checkbox"/> UNFUNDED		71. HARDWARE STATUS <input type="checkbox"/> FLIGHT READY <input type="checkbox"/> UNDER CONSTRUCTION <input type="checkbox"/> BREADBOARD <div style="display: flex; justify-content: space-around;"> <input type="checkbox"/> DESIGN <input type="checkbox"/> CONCEPT </div>		
72. DESIGN-FREEZE DATE		73. DELIVERY DATE		
74. FUNDING BREAKDOWN (\$ Needed / \$ Secured)				
ITEM a.	PRIOR FY FUNDS b.	CURRENT FY FUNDS c.	FUTURE FY FUNDS d.	TOTAL COST e.
PROTOTYPE	/	/	/	/
HARDWARE	/	/	/	/
STAFF COSTS	/	/	/	/
DATA REDUCTION	/	/	/	/
TOTAL	/	/	/	/
75. BUDGET//PROGRAM AUTHORIZATION NO.		76. CONTRACTOR RESPONSIBILITY		
77. LOCATION OF CONTRACT WORK		78. CONTRACT NO.	79. PLANNED CONTRACT OBLIGATION DATE	
80. COORDINATION				
a. NAME (<i>Last, First, Middle Initial</i>)			b. OFFICE SYMBOL	c. TELEPHONE (<i>Incl. area code</i>)
d. COORDINATION RESULTS				
e. NAME (<i>Last, First, Middle Initial</i>)			f. OFFICE SYMBOL	g. TELEPHONE (<i>Incl. area code</i>)
h. COORDINATION RESULTS				
i. COORDINATION SUMMARY				
81. PLAN FOR DATA PROCESSING AND DISSEMINATION OF RESULTS				
82. SECURITY INFORMATION (<i>State highest levels</i>)				
a. EXPERIMENT OBJECTIVES		b. TIMELINE	c. EXTERNAL VIEW	
d. EXPERIMENT DATA			e. INTERNAL FEATURES	
f. OTHER CLASSIFIED ITEMS				